

All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to DIN 72594-1

Material

Housing PBT-GF20 (d)
Secondary Lock PBT-GF10

Mechanical data

Mating cycles ≥ 25
Retention force latch $\geq 110\text{ N}$
Retention force primary lock $\geq 80\text{ N}$
Retention force secondary lock $\geq 60\text{ N}$
Coding efficiency $\geq 40\text{ N}$

Environmental data

Temperature range -40°C to +105°C
Thermal shock DIN 72594-2 clause 8.2
Temperature and humidity DIN 72594-2 clause 8.3 (b)
Vibration and mechanical shock DIN 72594-2 clause 8.1 (b)
Dry heat DIN 72594-2 clause 8.4 (b)
RoHS compliant (b)

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Application















Applicable e.g. for following connectors: 59K13O-1xx^{*1)}, 59K13D-1xx^{*1)}, 59K13F-1xx^{*1)}, 59K16A-1xx^{*1)}, 59K16B-1xx^{*1)}
^{*1)} -xx for all available cable variations

Packing

Standard 500 pcs in box, 1500 pcs in reusable container (d)
 Weight 1.48 g/pce

Coding

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59Z113-000-A
 B	white	sim. 9001	59Z113-000-B
 C	blue	sim. 5005	59Z113-000-C
 D	bordeauxviolet	sim. 4004	59Z113-000-D
 E	green	sim. 6002	59Z113-000-E
 F	brown	sim. 8011	59Z113-000-F
 G	grey	sim. 7031	59Z113-000-G
 H	violet	sim. 4003	59Z113-000-H
 I	beige	sim. 1001	59Z113-000-I
 K	curry	sim. 1027	59Z113-000-K
 L	carmine red	sim. 3002	59Z113-000-L ^{*2)}
 M	pastel orange	sim. 2003	59Z113-000-M ^{*2)}
 N	pastel green	sim. 6019	59Z113-000-N ^{*2)}
 Z	waterblue	sim. 5021	59Z113-000-Z
	traffic purple	sim. 4006	secondary lock

^{*2)} on request

Change History

Rev.	Date	Change
b00	02.09.13	Data specification changed from 13 ± 0.2 to 12.95 ± 0.2 and 26.35 ± 0.2 to 26.4 ± 0.2 . Environmental data specification changed from 6.2 to 8.2, 6.3 to 8.3, 6.1 to 8.1, 6.4 to 8.4 and 2002/95/EC (RoHS) changed to RoHS
c00	20.01.15	Index clearing up
d00	25.10.17	- Changed Standard: From "500 pcs in box" to "1500 pcs in box" - Material specification of Housing changed: From "PBT" to "PBT-GF20" - Material specification of Secondary Lock changed: From "PBT" to "PBT-GF10"

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Lang	01.04.10	P. Blaßfeld	10.11.17	d00	17-1457	C. Ostermaier	10.11.17

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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